Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 22 Sep 2020 until 23:59 on Wednesday 23 Sep 2020

Forecast Issued on Tuesday 22 Sep 2020 at 02:54

Confidence: High confidence for a transition to more unsettled and much cooler weather from Wednesday onwards. Moderate confidence for extent of low cloud and hill fog on Tuesday.

Headline for Tuesday 22 Sep 2020: A cloudy and murky start. Sunny for a time in the afternoon, but turning cloudy later with strengthening winds and some rain.

Mountain weather hazards on Tuesday 22 Sep 2020

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny	Sunny	Sunny intervals	Cloudy	Cloudy	Cloudy
Precipitation probability					
10%	<05%	<05%	<05%	30%	50%

Forecast for Tuesday 22 Sep 2020

Weather: Mist and fog patches are likely at first, mainly in low-lying valleys in the south and west, but these should clear quickly to give a fine and dry morning with unbroken, warm sunshine. Cloud increasing from the west around noon, though rather elevated and still allowing a bright afternoon. Some thicker cloud and perhaps the odd shower later in the evening.

Chance of cloud free mountain/hill tops above 600m: 70% at first, with isolated patches of cloud on hills. Becoming 90% from late morning and 100% through the afternoon and evening. Lowering to 60% during the evening with isolated patches of cloud to approximately 600m.

Visibility: Moderate or poor in mist, locally very poor in fog early morning, obscuring nearby hills and landmarks. Becoming very good later in the morning, with distant hills clearly visible..

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Forecast for Tuesday 22 Sep 2020

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/19 SW	16/21 SW	19/27 SW	16/23 SW	18/25 SW	18/27 SW	19/28 SW
300	7/10 S	9/13 SW	15/23 SW	13/20 W	13/20 SW	13/22 SW	14/24 SW
Valley	3/10 SE	6/13 S	11/23 SW	9/19 W	9/19 SW	9/21 SW	10/23 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/10	13/11	16/12	15/12	12/10	11/8	10/7
300	12/11	15/14	18/16	17/15	15/13	14/11	12/10
Valley	12/12	16/15	19/17	18/16	16/14	14/12	13/11
Freezing Level*	2800m	2800m	2800m	2900m	2800m	2600m	2500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Late morning and early afternoon sunshine will bring a risk of sunburn if exposed for prolonged periods. Winds may gust up to 35mph on exposed summits during the evening.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Mon 21 Sep 2020	2.2mm	2.4mm	2.4mm

Forecast for Wednesday 23 Sep 2020

Weather: Mostly cloudy with outbreaks of rain and drizzle turning more persistent towards the end of the night and with a fairly strong southwesterly breeze. Rain continuing during the morning, but turning drier and somewhat brighter into the afternoon, especially in the west. Often dry through the evening, but mostly cloudy with perhaps the brief spell of rain.

Maximum wind: Southwesterly 20-25mph, gusting 30-35mph.

Chance of cloud free mountain/hill tops above 600m: 60% lowering to 30% overnight with occasional patches of cloud to around 500m. Becoming 90% during the late morning or early afternoon and remaining so through the rest of the day.

Visibility: Tricky navigation overnight on hills with rather persistent and extensive cloud cover developing to around 500m. Rain will cause some nearby hills or features to become harder to determine from within valleys and lower lying areas. As rain clears through the late morning or early afternoon, visibilities improving with excellent air clarity through the remainder of the day at all elevations.

Temperature: **Valleys:** Plus 13 degrees becoming Plus 8 degrees Celsius.
At 600m: Plus 9 degrees becoming Plus 3 degrees Celsius.
Freezing level: Above the summits throughout.

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